

#17.

Hawaiian Explorations.

Dr. 4061 - 4070.

Hy. 4558 - 4597.

July 17th - 19th, 1902.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	M	KY	1558	406
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. = 8.5

No. Hy. 4558. Date 17 July, '02.
 Dredge Machine. 1 Reel. Heavy
 Turns 249 Cor. + 25 Depth 274 fms.
 Shot or lead 36 lbs.
 Bottom For. S.R.

Bottom temperature 45.5

No. of thermometer 98238. Cor. + 0

Corrected temperature 45.5

Air 78° - Surface 77° - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8. 05.00	8.12.40	0		
06.05	10.50	100		
06.55	09.25	200		
8. 07.20	8.08.30	249		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Aria Point Light, $841^{\circ} 30' E.$, $23^{\circ} 10'$

St
HOB,
7

~~249~~
~~25~~
~~274~~

4810

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

W. by E. - P. S. = 11.5

No. A.Y. 4559. Date 17 July '02.

Sigsbee Machine. / Reel. Navy

Turns 165 Cor. + 16 Depth 181 fms.

Shot or lead 36 lbs.

Bottom fms gy & vol S.

Bottom temperature 50.2

No. of thermometer 98238 Cor. + 0

Corrected temperature 50.2

Air 78° - Surface 77° Drift

Trawl or dredge

Pm SOUNDING WIRE.	UP.	TURNS.	DREDGE ROPE.	
			DOWN.	UP.
8. 45.40	8. 50.40	0		
46.40	49.25	100		
8. 47.10	8. 48.30	165 200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Mia Point Light. 847° E. 25 $\frac{3}{10}$ '

OK
K.D.
N.Y.

165
16
181

4810 255

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Arrived 10/11/01
W.L. - P.L.C. 14.5

No. A.Y. 4560, Date 17 July '02.

Sigaboo Machine. 1 Reel. Navy.

Turns 120 Cor. + 12 Depth 132 fms.

Shot or lead 36 lbs.

Bottom fair gy & vol S.

Bottom temperature 61.0

No. of thermometer 98238, Cor. + 0

Corrected temperature 61.0

Air 79.° Surface 77.° Drift

Trawl or dredge

P.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.20.05	9.24.15	0		
21.10	23.00	100		
9.21.25	9.22.40	120		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Aia Point light. S 51° 45' E., 27 $\frac{6}{10}$ '

610 XCD. in		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
120 12 132		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

W. by S. - P.L. 16.2

No.

U.S. 4561. Date July '02.

Sidbee Machine. / Reel. Navy.

Turns 84 Cor. + 8 Depth 92 fms.

Shot or lead 36 Lbs.

Bottom for gy S.

Bottom temperature

No. of thermometer None Cor. + 0

Corrected temperature

Air 79° - Surface 77° - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.43.25		0 84 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

~~Alia Point light. 845°~~

84 8 92			854° 15' E., 28° 8' 10"
	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4562. Date 17 July '03.
 S. S. Machine 1 Reel N. D. V.
 Turns 185 Cor. + 18 Depth 202 fms.
 Shot or lead 36 lbs.
 Bottom free vol. 2.
 Bottom temperature 49.0
 No. of thermometer 98238. Cor. + 0.
 Corrected temperature 49.0
 Air 78° - Surface 76° - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.10.10	10.31.20	0		
20.00	22.25	100		
10.20.45	10.22.20	185 200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauhola Light, N.E. Coast, Hawaii. J.J.
M 1863 30° 7d., 16.0

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
185 18 202	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

N. by E. - R. S. = 22.2

No. 77. 45' 2. Date 11-20-02
 Machine 1 Recd. 7100
 Turns 470 Cor. + 47 Depth 517 fms.
 Shot or lead 35 lbs.
 Bottom Fram. S.
 Bottom temperature 40.-
 No. of thermometer 98 3. 38. Cor. + 0
 Corrected temperature 40.0
 Air 78.- Surface 76.- Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.59.00	11.10.05	0		
59.05	09.05	100		
11.00.30	08.18	200		
01.25	07.00	300		
02.25	06.05	400		
11.02.10	11.05.30	470		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauk-Cat Right, West, 15 $\frac{9}{10}$

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

470
47
517

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

N. by E. - P.L. 25.2

No.

Date 1 July 03.

Machine / Reel No.

Turns 453 Cor. + 45 Depth 498 fm.

Shot or lead 60 lbs.

Bottom vol S. Fram.

Bottom temperature 40.0

No. of thermometer 98.238. Cor. + 0

Corrected temperature 40.0

Air 78°. Surface 76°. Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.44.30	11.54.00	0		
45.15	52.55	100		
46.00	52.00	200		
46.45	50.55	300		
47.30	50.00	400		
47.60	49.20	453		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kaukola Light, 87° 45' N., 15° 45' E.

2500
2000
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

453
45
228

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Dec 17 1883

No. 4000 Date 15.12.12
Machine # Reel. 17
Turns 430 Cor. + 13 Depth 773 fms
Shot or lead 35 lbs.
Bottom Foran. val. S.
Bottom temperature 40
No. of thermometer 98238 Cor. 0
Corrected temperature 40.0
Air 76 Surface 76 Drift
Trawl or dredge

OUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
35.00	35.40	0		
35.00	35.30	100		
35.00	37.00	200		
35.00	37.00	300		
35.00	37.00	400		
32.30	34.00	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kuukaboo Light 869° RL 15°



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(Drawn by W. Mac)

P. 57 372

507.

No. 504 45 Date July 15 = 02.
 dredge Machine #1 Reel. Navy.

Turns 520 Cor. + 52 Depth 572 fms
 Shot or lead 35 lbs.

Bottom 77 m. From

Bottom temperature 39.1

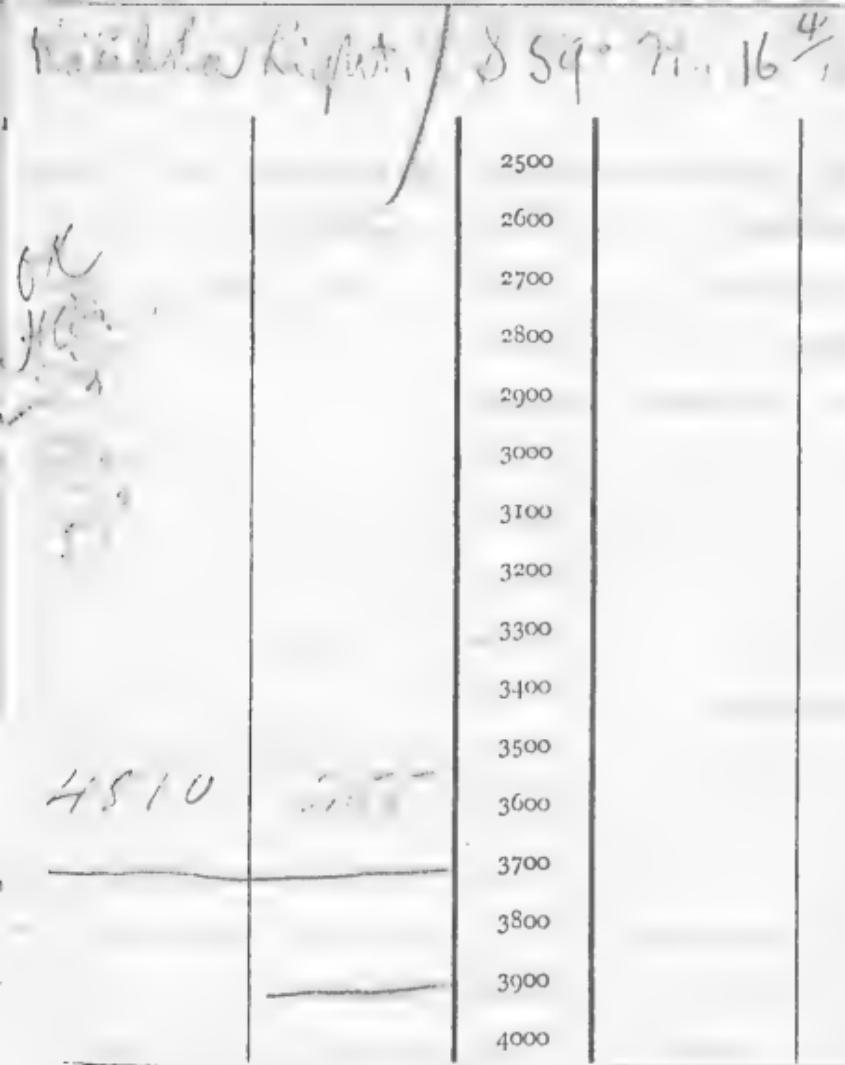
No. of thermometer 98238 Cor. 0

Corrected temperature 39.1

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS,	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
15.50	36.50	0		
16.30	37.30	100		
17.15	37.40	200		
18.00	37.35	300		
19.00	37.35	400		
20.00	21.20	500		
21.00	31.15	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Course N x W (west)

Cut Log 34-2

507.

No. Log 34-2 Date Jan 15
 Dredge Machine #1 Reel. Survey
 Turns 117 Cor. + 112. Depth 1307 fm
 Shot or lead 35
 Bottom Form. S.
 Bottom temperature 36.3°
 No. of thermometer 752.35 Cor. 0
 Corrected temperature 35.3
 Air 76 Surface 76 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.30	18.30	0		
20.40	27.10	100		
01.30	26.15	200		
13.20	35.10	300		
03.20	24.00	400		
04.20	22.55	500		
05.20	21.45	600		
06.15	23.40	700		
07.30	19.25	800		
08.40	18.15	900		
09.50	17.05	1000		
10.55	15.55	1100		
12.05	14.35	1125 1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauai, Hawaii 85°45'W., 17°5'N.

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	
4510	36.5		
1130	14.8		
3615	11.2		
	11.5		
	13.0		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Set into water suddenly,
used well for getting me
on deck.

Conn. At N. (yes)

No. 4568 Date July 18 ¹⁹

Machine #1 Reel. 500

Turns 1135 Cor. + 109 Depth 1274 fms

Shot or lead 60 lbs

Bottom 74 ²² fms.

Bottom temperature 35.6°

No. of thermometer 78238 Cor. 0

Corrected temperature 35.6°

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
37.04.65		0		
35.25		100		
		200		
07.10	27.00	300		
	26.10	400		
	25.10	500		
07.05	25.50	600		
10.30	26.25	700		
	21.20	800		
	20.30	900		
	18.00	1000		
14.10	17.35	1100		
16 =	16.20	1165		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	
4710	26.5		
1165	14.6		
3645	13.7		
	13.5		
	13.4		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

On - 26 x d. 1900

40.2.

July 1902

No. 1169 Date 15 July 1902
 Machine. Reel. 1000
 Turns 870 Cpy. + 801 Depth 750 ft.
 Shot or lead 60

Bottom. Foram. 2.

Bottom temperature 36.1

No. of thermometer 982 Cor. 0

Corrected temperature 36.1

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.05	10.45	0		
12.05	11.45	100		
13.05	12.45	200		
14.05	13.45	300		
15.05	14.45	400		
16.05	15.45	500		
17.05	16.45	600		
18.05	17.45	700		
19.05	18.45	800		
20.05	19.45	850		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Rainbow Ridge, $830^{\circ} 45' N.$, 121° .

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4570 Date Nov 11, 1907

Turns 695 Machine. Reel.
Cor. + 64 Depth 103 fms

Shot or lead

Bottom Form. 2.

Bottom temperature 38.9

No. of thermometer 182 Cor. 0

Corrected temperature 38.0

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.00	10.00	0		
0.00	16.00	100		
0.00	10.40	200		
0.00	10.00	300		
0.00	10.00	400		
0.00	12.00	500		
0.00	11.00	600		
0.00	10.00	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kuolala Riff., 81°40'30" N., 105°10'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Savvy G.L. 47.2
No. 4571 Key Date 18 July '07
Shipper Machine. 1 Reel
Turns 316 Cor. + 3' Depth 348 fms
Shot or lead 60 ft

Bottom Fathm. 1.

Bottom temperature

No. of thermometer 98 1/2 Cor. 0

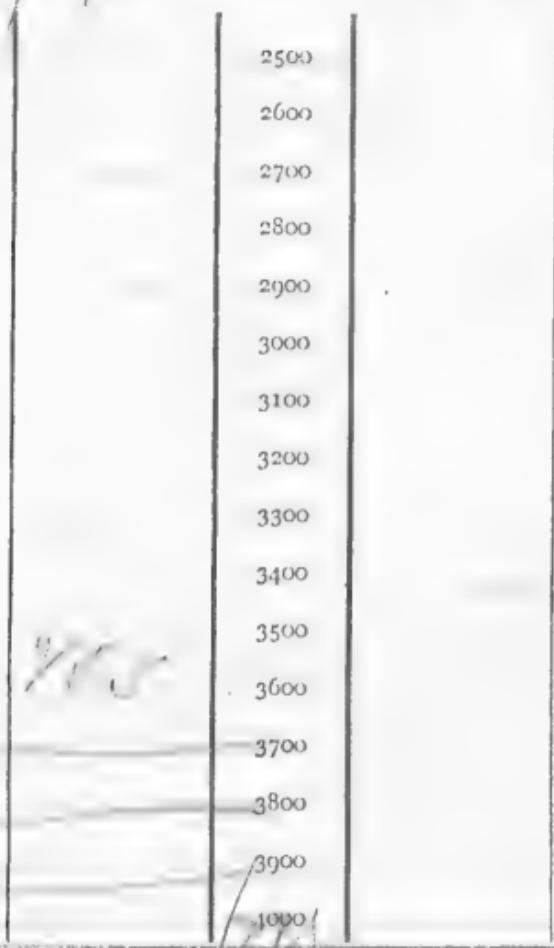
Corrected temperature 42.5

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
17.10	10.40	200		
18.00	07.30	300		
18.11	07.00	316		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kachda 811° 15' E., 6° 27'



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 112 Date 16 Aug. 1910
 Machine. Reel.
 Turns 67 Cor. + 17 Depth 134 fms.
 Shot or lead 36 lbs

Bottom fine sand with some gravel.

Bottom temperature 53°

No. of thermometer 98238 Cor. 0

Corrected temperature 53.5

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6.11.0		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauai Light, 8° 36' 15" S., 5° 8' 10" W.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

67.7

No. 14573 Date July 1901
 Machine. Reel. 100 fms.
 Turns 124 Cor. + 12 Depth 136 fms.
 Shoot on lead 36 + 12
 Bottom over 100 fms. from.
 Bottom temperature 64°
 No. of thermometer 98238 Cor. 0
 Corrected temperature 64.0
 Air 77 Surface 76 Drift
 Trawl or dredge.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
61.59, 10	0.70	0		
7.00	0.50	100		
0.0, 10	1.00, 30	124		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Rankin's Light, 8 E., 5°

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Feb. 27, 1871

No. 11572 Date 1871 Feb 27
 Machine Reel. No. 1157
 Turns 97 Cor. + 10 Depth 107 fms
 Shot or lead

Bottom crs co 2. Fins

Bottom temperature

No. of thermometer 48238 Cor. C

Corrected temperature 65°

Air 77 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
16.10	16.50	97		
		100		
		205		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ran 80 f. at 855° E. 6.0

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.D. P. 3.7

Stailey No. 14575 Ify Date 18 July 1902
 Dibblee Machine 1 Recd. / Noy
 Turns 15 Cor. + 47 Depth 82 fms
Shot or lead 26 47

Bottom at co S. Coralline, from.

Bottom temperature 70°

No. of thermometer 48738 Cor. 0

Corrected temperature 70.4

Air 77 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
-7.31.30	33.1	0		
67.10	7.37.10	715		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Keweenaw Lake, 864° 35' S., 6° 55'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1576 Date Nov 11, 1907
 Machine. Reel.
 Turns Cor. + Depth 43 fms
 Shot or lead
 Bottom 60 fms Sh. &
 Bottom temperature
 No. of thermometer None Cor.
 Corrected temperature
 Air Surface Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.47.0	7.46.0	41° 100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Rancho Ligt. 873° E. 6 $\frac{4}{12}$

(10)
12
14

496

41

455

12

10

4

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

500 fms. N.W. by E. P.L. 55° -

No. Drift Date 10 Aug., 1921.

Tanner Machine. - Reel.

Turns 23 Cor. + / Depth 28 fms.

Shot or lead 26 Lbs.

Bottom Co. S. Coralline, Mod. Form.

Bottom temperature }

No. of thermometer } None. Cor.

Corrected temperature (N 30° E.)

Air 78° Surface Drift } 1/10

Brawl or dredge 8 fms. 10 m.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		AIR	DOWN.
59.55	-	0	8.01.20	8. 25. 20
		23.57 *		
		663	8.26.20	8. 31. 20
		300		
		400		
		500		
		600	21 Minutes	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bahia de la Bight 8° 79' E., 6° 27' N.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangles -			
50	Much calcareous articulated green algae; much fine coralline			
100	metre; abt 70°, Or. 1.6 (few)			
200	2 benthids, 1 squilla; few 70° or			
300	2 per. 1 foliaceous bivalve;			
400	1 coralline; 1 Muraena; Hippocampus;			
500	1 long ribbon; 1 Muraena; Hippocampus;			
600	1 long ribbon; few 70° or			
700	calcareous; little coral -			
800				
900				
1000				

REMARKS:

Dr. Course (for S.C.), North.

No. Dr. 4062 Date 11 Aug 2.

(Trawl Machine. - Reel.

Turns 80 Cor. + 3 Depth 83 fms.

Shot or lead 26 lbs. }

Bottom soft rock. S.L. Green.

Bottom temperature }

No. of thermometer } None, Cor.

Corrected temperature }

Air 78° - Surface 77° Drift { 16°

Trawl or dredge 8 Hemp Tension

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8. 37.20		0	8. 42. -	9. 21.30
		100	46.10	17.20
		175*	40.00	
		200	37.40	14.25
		275	34.30	
		300	32.30	9. 11.25
Dr. 4061.		400		
		500		
* On bottom		600	2-2 Min.	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kankola Bay, 8° 69' S. 15° 7' E. 6

C.H.
H.C.

1/16
80
W16

12
2
3
C. 25 fms
80 fms

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Therm.	-		
50	Molyn 0.2	for mercury		
100	few clig. (strid.)	sharp,		
200	few clig. 3 sp. + sp. m.	few dozen-		
300	few clig. many small	all sp.		
400	Crabs; 1 alga	-		
500				
600				
700				
800				
900				
1000				

REMARKS:

Cause for S.G., N.E.

No. 774577 Date 18 Feb. '02.

Tanner Machine. — Reel.

Turns 109 Cor. + 4 Depth 113 fms.
Shot or lead 26 lbs.

Bottom obs. co. S. St. Farn.

Bottom temperature

No. of thermometer 2 None Cor.

Corrected temperature

Air 78° — Surface 77° — Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.27.40	9.26. -	0		
9.28.30	9.28.35	100		
		109		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kaukola Light, 856° 30' E., 6° 1/16'

6
100
in

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4'96
1'09
38

12
24
109
113

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2.2.W. - RL. = 57.7

No. H063 DE Date 18 July 02.

Tanner Machine. - Reel.

Turns 48 Cor. + 2 Depth 50 fms.

Shot or lead 26 lbs.

Bottom Co. vol S. Farnum R

Bottom temperature

No. of thermometer } none Cor.

Corrected temperature } (N 30° E)

Air 78° Surface 77° Drift 5/10'

Trawl or dredge 5 1/2' B.L.P.

SOUNDING WIRE. DOWN.	UP.	TURNS.	DREDGE ROPE.	
			DOWN.	UP.
9.51 -			10.00.00	10.10.00
		48		
		100	03.30	13.00
		150	10.10.00	0.10.00
		300		
		400		8 min
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

87°50' S., 63°10'

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
4/96 4/48 448	12 10 2	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5° 2'	Black -		
50		Many small shells		
100		Conch shells		
200		Conch shells, the whole		
300		Accented with polygons		
400		Conch shells		
500		Dust shells; few		
600		Dust; little shell; 2 hydroids		
700		...	12	
800				
900				
1000				

REMARKS:

Not many shells.

No. 4064 D^r Date 18 July '02.

Tanner Machine. - Reel.

Turns 61 Cor. + 2 Depth 63 fms.

Shot or lead 26 lbs.

Bottom Co. vol S. Form.

Bottom temperature 69°

No. of thermometer 98238 Cor. + 0

Corrected temperature 69° { 311°

Air 78° - Surface 77° - Drift 1.0

Trawl or dredge 8 min.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.20.00		61 0	10.29. -	10.58 1/2
		100	21. -	54.84
After marks on		155 8	10.30. -	10.58 1/2
		200		
		300		
On 4063.		400	22. -	
		500		
		600		
x On 4063.		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kachin Strait, 87° E., 62° N.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangles			
50	2 sp. <i>Murchison</i> ; few <i>Thalassia</i>			
100	2 sp. <i>Halimeda</i> ; <i>Lachnus</i> 2 sp.			
200	0 <i>Phaeophyce</i> ; 2 sp. <i>Gracilaria</i> ; <i>Ectocarpus</i>			
300	few <i>Gracilaria</i> ; small crab;			
400	little sponge; few <i>Gracilaria</i>			
500	1 <i>Halicentilla</i>			
600				
700				
800				
900				
1000				

REMARKS:

Conway (A.S.C.), N.W.W.

not.

No. Hy 14578. Date 18 July '03.

Sister Machine / Reel. No.

Turns 97 Cor. + 10 Depth 10' fsw

Shot or lead 36 Lbs.

Bottom Co. P.

Bottom temperature 65.-

No. of thermometer 98228 Cor. + 0

Corrected temperature 65.-

Air 80° - Surface 77° - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.01. -	04. -	0		
02. -	02. -	97 400		
—	—	200		
		300		
Also marks and		400		
		500		
Dr. 4064.		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ranikholas depth, 20° 30' S., 71° 10'

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

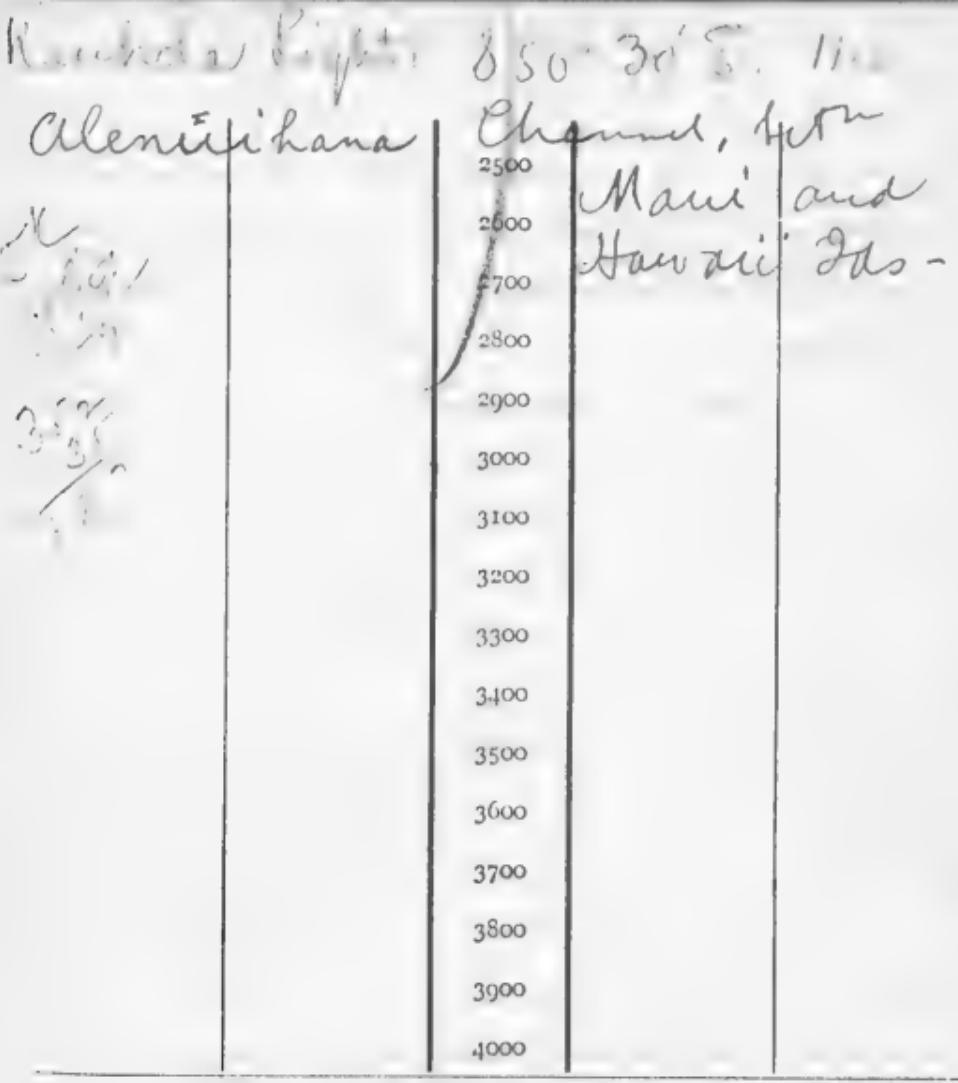
DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 111111 I.L. 65-7

No. 11, 4579. Date 18 July 1911
 Sights Machine #1 Recd. Many
 Turns 352 Cor. + 35 Depth 357 fm.
 Shot or lead 35#
 Bottom 60 S. Sh. For.
 Bottom temperature 41.8°
 No. of thermometer 98238 Cor. D.
 Corrected temperature 41.8°
 Air 80 Surface 77 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.574.30	01.50	0		
55.20	12.01.45	100		
56.10	59.45	200		
57.10	7.50	300		
57.40	56.20	352		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Acting 677

No. 54065 Date May '02.
 Machine. Reel
 Turns 116 Cor. + 65 Depth 771 m
 Shot or lead 60
 Bottom 2000 ft.
 Bottom temperature 40.2°
 No. of thermometer 75535 Cor. 0
 Corrected temperature 40.2 (JN)
 Air 77 Surface 76 Drift 1
 Trawl or dredge 5½ Buoys

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-51.20	12-00.00	0	1-12.00	07.10
5-10.00	5-00.00	100	1-12.00	56.00
5-20.00	5-00.00	200	1-12.00	2-32.40
5-1.00	5-00.00	300	1-12.00	55.55
5-4.50	5-00.00	400	1-12.00	54.05
5-5.20	5-00.00	446	1-12.00	53.10
		500	34.15	46.30
		600	38.30	41.40
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kincaid light 849025 S. 167.

615		2500	
615		2600	
615		2700	
615		2800	
615		2900	
615		3000	
615		3100	
615		3200	
615		3300	
615		3400	
615		3500	
615		3600	
615		3700	
615		3800	
615		3900	
615		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	53°	Blake		
50	2	for 2000 fms; plumb-		
100		depth; 2000 fms		
200		depth; 2000 fms		
300		last		
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Wind from N.E. strong
but fairly torn.

No. Log 4580

Date 15-1-17

Machine Recl.

Turns 475 Cor. + 45 Depth 50 fms

Shot or lead 35 lbs.

Bottom 55 fm.

Bottom temperature 55°

No. of thermometer 952.38 Cor. 6

Corrected temperature 38.8

Air 78 Surface 77 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.45	23.40	0		
13.40	23.35	100		
14.35	21.35	200		
15.40	20.30	300		
	19.20	400		
17.00	18.30	500		
Marker card of Log 4065		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauhola Light. June 5, 1876

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
4510	2655			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Just detached boat owing
to specimen cups, brought
back

Oct Log 73.1

No. 4 Date 18th 1912
Sigsbee Machine Reel. Name
Turns 850 Cor. + 13 Depth 12 fms
Shot or lead 5 lbs
Bottom 70.5 fms
Bottom temperature 36.4°
No. of thermometer 75238 Cor. 0
Corrected temperature 36.4
Air 80 Surface 77 Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.15	33.35	0		
11.55	31.40	100		
14.05	30.40	200		
15.55	29.40	300		
17.00	28.40	400		
18.10	27.35	500		
19.20	26.30	600		
20.25	25.25	700		
21.40	24.15	800		
22.20	23.35	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ka Lae-o Ka Ilio Point, Maui $\vartheta^{\circ} 2'$
 $149^{\circ} 30' W.$, $7^{\circ} 30' N.$

		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Hole

Date // / 11/11/1007

Machine.

Reel.

Turns 1600 Cor. + 26

Depth 674

Shot or lead

Bottom

R K Y

57 N°

Bottom temperature

57.3°

No. of thermometer

Cor.

0

Corrected temperature

52.5

0

Air 80

Surface 76

Drift

Trawl or dredge

8

14

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4.16.00	11.18.00	0	4.16.00	5.01.00
16.00	17.00	100	30.00	46.30
4.16.30	4.17.00	1600	1.00	1.00
		13		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ka Lae - On the Clin. Point.

N $79^{\circ} 30' W$, S $35^{\circ} 10'$

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4/3/10 201

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Tangle -			
50	3 sp. sandstone; 2 sp.			
100	2 sp. sand.; 5 sp. sh. limestone; about			
200	6 sp. rocks; small shells;			
300	soft marl in sand; dolomitic sh. &			
400	frag. corals; sand - rock - mat			
500	lava - sand - sh. with coral,			
600	corals; 4 sp. sh. & sand.			
700	3 sp. - sh. & sand.			
800				
900				
1000				

REMARKS:

No. 111 Date 10/14/1902
 Machine Reel. 4
 Turns 45 Cor. + 14 Depth 10 fms
 Shot or lead 3
 Bottom 14
 Bottom temperature 72°
 No. of thermometer 982396 Cor. + 0.1
 Corrected temperature 72.1
 Air 87 Surface 76 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		110		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ka Lae - Oahu - Hawaii

877-3-1966 U.S.A.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

1907

Slipper

Machine.

Reel.

Turns Hot Cor. +

Depth

8

Shot or lead

25

Bottom Volc & forl Sand

39 8 0

Bottom temperature

39

No. of thermometer

98238

Cor.

Corrected temperature

39.8

Air

79

Surface

76

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
149.10	6.05.15	0		
150	6.05.15	100		
151	6.05.15	200		
152	04.01	300		
153	6.05.15	400		
154	6.07.10	4100		
155	6.05.15	600		
156	6.07.10	700		
157	6.05.15	800		
158	6.07.10	900		
159	6.05.15	1000		
160	6.07.10	1100		
161	6.05.15	1200		
162	6.07.10	1300		
163	6.05.15	1400		
164	6.07.10	1500		
165	6.05.15	1600		
166	6.07.10	1700		
167	6.05.15	1800		
168	6.07.10	1900		
169	6.05.15	2000		
170	6.07.10	2100		
171	6.05.15	2200		
172	6.07.10	2300		
173	6.05.15	2400		

Kauiki Head, Maui, Hawaii, T.

North East Coast of Maui;

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4810 200

16.72

50

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. H58H Date Oct 11, 1902
Sight Reel Machine Reel No. 3
Turns 1497 Cor. + Depth 5
Shot or lead 60

Bottom

Bottom temperature

No. of thermometer

982.98

Cor.

Corrected temperature

Air 78 Surface 76

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
	X	47		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Ketchikan Aug 1976

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500	14.0	54 (1)		
600				
700				
800				
900				
1000				

REMARKS:

Blue water
2 fms knifly wire
and worked with
fms on stay line.

turns

A. S. et al.

No. A.Y. 4-85 Date 18 July 62.
 Machine. / Reel. 2700.
 Turns 132 Cor. + Depth 687 fm.
 Shot or lead 35 Lbs.
 Bottom 70 fms.
 Bottom temperature 38.5°
 No. of thermometer 98236 Cor. 6
 Corrected temperature 38.5°
 Air 77° Surface 76° Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.12.30	8.26.20	0		
12.20	25.20	100		
14.20	24.30	200		
15.15	23.20	300		
16.10	22.15	400		
17.05	21.20	500		
18.05	20.70	600		
8.18.20	9.22.00	622		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

R. M. D. May 1871

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	
4310	205		
632	149		
3	57		
	632		
	29		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 12.45	9.36.15	0		
16.25	29.15	100		
17.15	28.15	200		
18.-	27.15	300		
16.50	26.15	400		
" 16.2	25.15	500		
16.15	24.15	600		
20.-	22.25	700		
P. 20.10	7.72.20	785 800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauiki Head, 186271

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
5210	205	3600	
785	136	3700	
3525	769	3800	
	11	3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

N. Lat. - P.L. = 1.7

No. 456 Date 11 Aug 12

Sounding Machine. Reel.

Turns 1630 Cor. + 130 Depth 1760 fms.

Shot or lead 60 lbs.

Bottom cor. vol. 2.5 m 72.75°

Bottom temperature 37.4

No. of thermometer 1833 Cor.

Corrected temperature 37.4

Air 76. - Surface 76. - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.17	- 10.56.40	0		
17.40	55.12	100		
18.35	54.35	200		
19.15	53.30	300		
20. -	52.15	400		
20.40	51.15	500		
21.35	50.05	600		
22.30	48.55	700		
23.30	47.30	800		
24.25	46.15	900		
25.25	44.50	1000		
26.20	43.25	1100		
27.10	42.00	1200		
28.20	40.20	1300		
29.25	38.30	1400		
30.30	36.35	1500		
31.40	34.20	1600		
10.32.10	10.33.25	1630 1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

2/3/10
1630
2680

205
75
130
130
7760

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Salinity and depth, and may
be recorded.*

May 2. - P.L. = 6.0

No. 44. 4888 Date 18 Early '02
 S. & C. Machine. / Reel.
 Turns 1122 Cor. + 96 Depth 1218 in.
 Shot on lead. 60 lbs.
 Bottom Br. M. For. vol. 36.
 Bottom temperature 36.-
 No. of thermometer 982 36. Cor. 6
 Corrected temperature 36.
 Air 76. - Surface 76. - Drift
 Trawl or dredge 19 fm.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.48.30	12.10.30	0		
49.15	09.30	100		
49.55	08.30	200		
50.35	07.30	300		
51.25	06.30	400		
52.10	05.35	500		
53.-	04.40	600		
53.55	03.40	700		
54.45	02.40	800		
55.40	01.40	900		
56.35	12.00.35	1000		
57.30	59.30	1100		
11.57.50	11.-	1122		
		-1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4/3/10 205
1122 109
2188 1126
 1218

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Cont'd page 11. 7

No. 344 4587 Date Jan 19th

Dredge Machine #1 Reel. Name

Turns Cor. + 42 Depth 412 fm

Shot or lead 60 lbs.

Bottom fine for 50

Bottom temperature 65

No. of thermometer 98236 Cor. 1.1

Corrected temperature 64.8

Air 75 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
16.45		0		
17.15	16.45	100		
18.15	17.15	200		
19.15	18.15	300		
	12.40	400		
	12.05	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kauai Deep, 028°S., 13°W.

4310	205	2500
	163	2600
3860	413	2700
	450	2800
	472	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Done by W X D. (initials)

Wednesday 16.9

507.

No. 11510 Date

Machine: Reel.

Turns 900 Cor. + 75 Depth 115 fms

Shot or lead

Bottom fine gg. Fr. S.

Bottom temperature 39.3°

No. of thermometer 78236 Cor. 0

Corrected temperature 39.3°

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.30	27.00	0		
10.25	28.00	100		
11.25	27.00	200		
12.25	26.00	300		
13.10	27.00	400		
14.00	27.00	500		
15.00	26.00	600		
16.00	27.00	700		
	20.30	800		
18.30	17.25	900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Kure Is., 82° 4' S., 19° 70

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	
4310	205		
900	127		
3410	75		
	900		
	975		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(unwritten)

July 17

No. 44-571 Date July 17
Machine #1 Recl. 17
Turns 338 Cor. + 33 Depth 371 fms
Shot or lead 35 lbs.
Bottom 10 m. fms.
Bottom temperature Thermometer did not trip
No. of thermometer 98236 Cor.
Corrected temperature
Air 74 Surface 76 Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-18.15	25.40	0		
19.00	24.35	100		
19.45	23.30	200		
	22.35	300		
21.20	22.05	338		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

832°W., 8°⁶_{10'}

610 615 620		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Onward W. & S. 1000

No. 1692 Hy Date 10/26/07
 Machine. Reel.
 Turns 239 Cor. + 24 Depth 263 fms
 Shot or lead 36
 Bottom 46°
 Bottom temperature 46°
 No. of thermometer 38236 Cor. - 0.2
 Corrected temperature 45.8
 Air 74 Surface 75 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

PM. 10 + 813.6 7270

50			2500	
100			2600	
150			2700	
200			2800	
250			2900	
300			3000	
350			3100	
400			3200	
450			3300	
500			3400	
550			3500	
600			3600	
650			3700	
700			3800	
750			3900	
800			4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

1902

Machine.

Reel.

Turns 792 Cor. + 2

Depth

Shot or lead:

Bottom 60.00

Bottom temperature

No. of thermometer 98.2 Cor. -0.2

Corrected temperature 43.4

Air 76 Surface 76 Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

0

100

200

260

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4310
292
6018205
176
179
177
177
177
177

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date 19 May

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

36

Bottom

39

Bottom temperature

8

No. of thermometer

Corrected temperature

43.8

Air

Surface

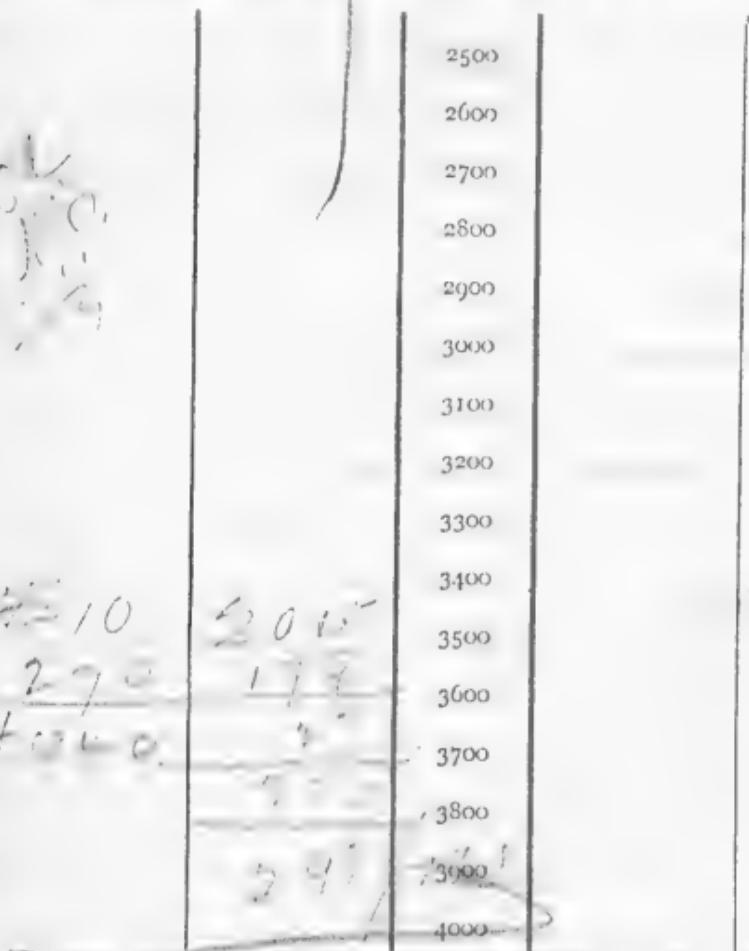
7.5

Cor. -0.2

Tract or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	600.00	0		
	700	100		
	57.40	200		
	57.40	270		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pearl River, 8:10 A.M.



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

39.7

No.

Date

19 July 02

Machine.

Reel.

Turns Cor. + 700 Depth

Shot or lead 36 fms

Bottom fms

Bottom temperature

47.8°

No. of thermometer 78236 Cor. -0.5

Corrected temperature 47.8

Air 76 Surface 75 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
627.2	61	0		
412.2	27	100		
31.20	56	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P... 87122.9 73-1

	2500
	2600
	2700
	2800
	2900
	3000
	3100
	3200
	3300
	3400
	3500
	3600
	3700
	3800
	3900
	4000

41	185
411	20
	210

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

36 X

82

Bottom

C.S.

S. S.

Bottom temperature

18.5

A.D.

No. of thermometer

8

Cor.

Corrected temperature

Air

76

Surface

75

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

27, 50

111, 10

0

36, 30

46, 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. △-4067. Date 10 Aug 1882
 Farmer Machine. — Reel. 11
 Turns 10 Cor. + 0 Depth 10
 Shot or lead 26 Lbs.
 Bottom fm co & vol S.
 Bottom temperature 47° F.*
 No. of thermometer 98236. Cor.
 Corrected temperature (N 18° W)
 Air 5 Surface Drift
 Trawl or dredge 8' Turner A. D. C.

SOUNDING WIRE.		TURNS.	FISH DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 8		0	9. 22.30	9. 48.40
		100	9. 23. =	9. 47.40
		200	—	—
		300	24 min.	—
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

84° 77' E., 9° 2' S.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	84° 77' E., 9° 2' S.	Barometer Sea level thermocerasus, for merid.		
50				
100	34° 40' 10" S.			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

* REMARKS:

Thermometer did not ship. - Det. note
properly bared.

No. Dr. 4068 Date 19 July '02.

Tanner Machine. — Reel.

Turns 13 Cor. + 1 Depth 11 fms.

Shot or lead 26 Lbs.

Bottom free gyrs.

Bottom temperature 77°

No. of thermometer 98.2% Cor. - 0.1

Corrected temperature 76.9 (112.1)

Air 75° — Surface 76° — Drift 1°

Trawl or dredge 8' Tanner and Wilson.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	9.25. —	10.16.10
		25	9.26. —	10.15.45
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Permit No. 11828, 7/3/10

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	8°	Danner		
50		1 Dyno		plate flange
100		many		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr. 4069 Date 10th early '02.

Tanner Machine. Rect.

Turns 17 Cor. + 1 Depth 18

Shot or lead 26 lbs.

Bottom free 27 fms.

Bottom temperature 77° Did not trip.

No. of thermometer 91.926. Cor.

Corrected temperature N 17° W.

Air 80° - Surface 77° Drift 9/10

Trawl or dredge 8' Tanner 8/10

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.19.30		0	10.22.10	10.45.05
		25	10.24.-	10.44.-
		100		
		200		
also marks end		300	20	7 min.
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pun [unclear] East, 9⁷/₁₀

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	0	Dinner		
50		1 photoflux		
100		medium		
200		2		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Hy. 4597. Date 19 July '02.
Tanner Machine. Reel.

Turns 22 Cor. + 1 Depth 5 fms.

Shot or lead 26 lbs.

Bottom pressure 8.

Bottom temperature 76.3°

No. of thermometer 98236. Cor. - 0.1

Corrected temperature 76.2

Air 80°. Surface 77°. Drift

Trawl or dredge

<u>Am. Sounding Wire.</u>		TURNS.	<u>Dredge Rope.</u>	
DOWN.	UP.		DOWN.	UP.
10.46.46		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Puniaua Pt. 88° E., 10.0'

51C
300.
3

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

496
22
—
474

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 53.5

~~on. 51/1
No. 4070~~ Date 19 July '02.
Sixsee Machine #1 Reel. Many.
 Turns 41 Cor. + 4 Depth 45 fms.
 Shot or lead 36 lbs.
 Bottom fine gy L.
 Bottom temperature 71. -
 No. of thermometer 98236. Cor. -0.2
 Corrected temperature 70.8 (N 39° W)
 Air 79. - Surface 76. - Drift } 5/10'
 Trawl or dredge 8' Tanner and apron.

<u>Am</u> SOUNDING WIRE.		TURNS.	<u>Am</u> DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.22.45			11.31.40	57.40
		41°	84. -	
		100 62	86. 3	84.35
		200 71		
		300		
		400		
		500	20 min.	
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Puniawa Pt., $881^{\circ}30' E.$, $6\frac{4}{10}'$

~~500
510
515~~

44
45

496 - 12

4310 - 205

8' Tanner -

2 sps. gobius; many of 2 sps.
platophryps; 3 antigonia; 2 sps.
shrimps; many of 2 sps. ophiura
in sponge cavities; 1 fissurella;
1 worm; 2 sps. sponge -

CZ